

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0609.4630001/SRL/TBBAPPLICATION NO.
09/447,800APPLICANT
Bringhurst et al.FILING DATE
November 23, 1999GROUP
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U.S. PATENT DOCUMENTS

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SLW	AR	1	Abou-Samra, A.-B., et al., "Expression cloning of a common receptor for parathyroid hormone and parathyroid hormone-related peptide from rat osteoblast-like cells: A single receptor stimulates intracellular accumulation of both cAMP and inositol triphosphates and increases intracellular free calcium," <i>PNAS USA</i> 89:2732-2736 (April 1992)
	AS	1	Azarani, A., et al., "Structurally Diverse N-terminal Peptides of Parathyroid Hormone (PTH) and PTH-related Peptide (PTHRP) Inhibit the NA'/H ⁺ Exchanger NHE3 Isoform by Binding to the PTH-PTHRP Receptor Type I and Activating Distinct Signaling Pathways," <i>J. Biol. Chem.</i> 271:14931-14936 (June 1996)
	AT	1	Bos, M.P., et al., "Expression of the Parathyroid Hormone Receptor and Correlation with Other Osteoblastic Parameters in Fetal Rat Osteoblasts," <i>Calcif. Tissue Int.</i> 58:95-100 (February 1996)

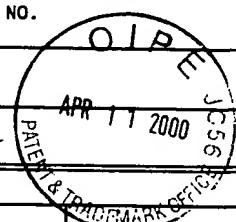
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*Sandra Wright*DATE CONSIDERED *8/7/01*

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SLW	AR	2	Bringhurst, F.R., et al., "Cloned, Stably Expressed Parathyroid Hormone (PTH)/PTH-Related Peptide Receptors Activate Multiple Messenger Signals and Biological Responses in LLC-PK ₁ Kidney Cells," <i>Endocrinol.</i> 132:2090-2098 (May 1993)
	AS	2	Chakravarthy, B.R., et al., "Parathyroid Hormone Fragment [3-34] Stimulates Protein Kinase C (PKC) Activity in Rat Osteosarcoma and Murine T-Lymphoma Cells," <i>Biochem. Biophys. Res. Comm.</i> 171:1105-1110 (September 1990)
	AT	2	Civitelli, R., et al., "PTH elevates inositol polyphosphates and diacylglycerol in a rat osteoblast-like cell line," <i>Am. J. Physiol.</i> 255:E660-E667 (November 1988)

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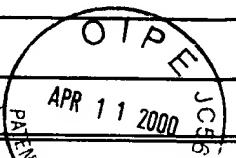
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<i>SLW</i>	AR	3	Cole, J.A., et al., "Regulation of Sodium-Dependent Phosphate Transport by Parathyroid Hormone in Opossum Kidney Cells: Adenosine 3', 5'-Monophosphate-Dependent and -Independent Mechanisms," <i>Endocrinol.</i> 122:2981-2989 (June 1988)
	AS	3	Donahue, H.J., et al., "Differential Effects of Parathyroid Hormone and Its Analogues on Cytosolic Calcium Ion and cAMP Levels in Cultured Rat Osteoblast-like Cells," <i>J. Biol. Chem.</i> 263:13522-13527 (September 1988)
	AT	3	Dunlay, R., and Hruska, K., "PTH receptor coupling to phospholipase C is an alternate pathway of signal transduction in bone and kidney," <i>Am. J. Physiol.</i> 258:F223-F231 (February 1990)

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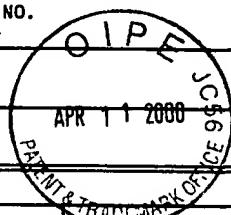
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	AS	4	Fujimori, A., et al., "Structure-Function Relationship of Parathyroid Hormone: Activation of Phospholipase-C, Protein Kinase-A and -C in Osteosarcoma Cells," <i>Endocrinol.</i> 130:29-36 (January 1992)
	AT	4	Gardella, T.J., et al., "Analysis of Parathyroid Hormone's Principal Receptor-Binding Region by Site-Directed Mutagenesis and Analog Design," <i>Endocrinol.</i> 132:2024-2030 (May 1993)

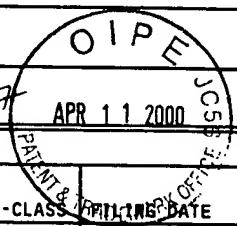
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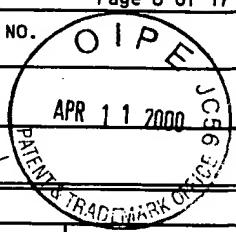
SLW	AR	5	Goltzmann, D., et al., "Analysis of the Requirements for Parathyroid Hormone Action in Renal Membranes with the Use of Inhibiting Analogues," <i>J. Biol. Chem.</i> 250:3199-3203 (April 1975)
	AS	5	Goud, N.A., et al., "Solid-Phase Synthesis and Biologic Activity of Human Parathyroid Hormone (1-84)," <i>J. Bone Min. Res.</i> 6:781-789 (August 1991)
	AT	5	Guo, J., et al., "Parathyroid Hormone (PTH)/PTH-Related Peptide Receptor Density Modulates Activation of Phospholipase C and Phosphate Transport by PTH in LLC-PK1 Cells," <i>Endocrinol.</i> 136:3884-3891 (September 1995)

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SLW	AR	6	Hilliker, S., et al., "Truncation of the Amino Terminus of PTH Alters Its Anabolic Activity on Bone In Vivo," <i>Bone</i> 19:469-477 (November 1996)
	AS	6	Iida-Klein, A., et al., "Mutations in the Second Cytoplasmic Loop of the Rat Parathyroid Hormone (PTH)/PTH-related Protein Receptor Result in Selective Loss of PTH-stimulated Phospholipase C Activity," <i>J. Biol. Chem.</i> 272:6882-6889 (March 1997)
	AT	6	Inomata, N., et al., "Characterization of a Novel Parathyroid Hormone (PTH) Receptor with Specificity for the Carboxyl-Terminal Region of PTH-(1-84)," <i>Endocrinol.</i> 136:4732-4740 (November 1995)

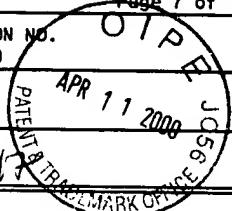
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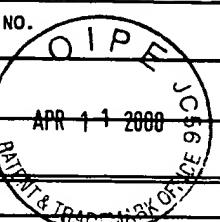
SLW	AR	Z	Janulis, M., et al., "Structure-Function Requirements of Parathyroid Hormone for Stimulation of 1,25-Dihydroxyvitamin D ₃ Production by Rat Renal Proximal Tubules," <i>Endocrinol.</i> 133:713-719 (August 1993)
	AS	Z	Jobert, A.-S., et al., "Parathyroid Hormone-Induced Calcium Release from Intracellular Stores in a Human Kidney Cell Line in the Absence of Stimulation of Cyclic Adenosine 3',5'-Monophosphate Production," <i>Endocrinol.</i> 138:5282-5292 (December 1997)
	AT	Z	Jouishomme, H., et al., "The Protein Kinase-C Activation Domain of the Parathyroid Hormone," <i>Endocrinol.</i> 130:53-60 (January 1992)
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SLW	AR	8	Jouishomme, H., et al., "Further Definition of the Protein Kinase C Activation Domain of the Parathyroid Hormone," <i>J. Bone Min. Res.</i> 9:943-949 (June 1994)
	AS	8	Jüppner, H., et al., "A G Protein-Linked Receptor for Parathyroid Hormone and Parathyroid Hormone-Related Peptide," <i>Science</i> 254:1024-1026 (November 1991)
	AT	8	Kimura, T., et al., "Strategy for the Synthesis of Large Peptides: An Application to the Total Synthesis of Human Parathyroid Hormone [hPTH(1-84)]," <i>Biopolymers</i> 20:1823-1832 (September 1981)

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SLW	AR	9	Kronenberg, H.M., et al., "The PTH/PTHrP Receptor: One Receptor for Two Ligands," in <i>Molecular Genetics of Endocrine Disorders</i> , Thakker, R.V., ed., Chapman & Hall Medical, publ., London, England, pp. 389-420 (1997)
	AS	9	Murray, T.M., et al., "Dexamethasone-Treated ROS 17/2.8 Rat Osteosarcoma Cells are Responsive to Human Carboxylterminal Parathyroid Hormone Peptide hPTH (53-84): Stimulation of Alkaline Phosphatase," <i>Calcif. Tissue Int.</i> 49:120-123 (August 1991)
	AT	9	Neugebauer, W., et al., "Solution Structure and Adenylyl Cyclase Stimulating Activities of C-Terminal Truncated Human Parathyroid Hormone Analogues," <i>Biochem.</i> 34:8835-8842 (July 1995)

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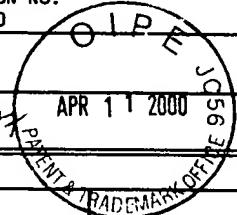
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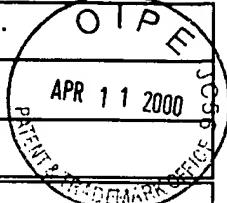
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SLW	AR	10	Orloff, J.J., et al., "Analysis of PTHRP binding and signal transduction mechanisms in benign and malignant squamous cells," Am. J. Physiol. 262:E599-E607 (May 1992)
	AS	10	Parsons, J.A., et al., "Pharmacology of parathyroid hormone and some of its fragments and analogues," in Calcium-regulating hormones. Proceedings of the Fifth Parathyroid Conference. Oxford. United Kingdom. July 21-26. 1974, Talmage, R.V., et al., eds., American Elsevier Publishing Co., Inc., New York, NY, pp. 33-39 (1975)
	AT	10	Pines, M., et al., "Generation and Characterization of Human Kidney Cell Lines Stably Expressing Recombinant Human PTH/PTHrP Receptor: Lack of Interaction with a C-Terminal Human PTH Peptide," Endocrinol. 135:1713-1716 (October 1994)

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<i>SLW</i>	AR	11	Pines, M., et al., "Inositol 1-,4-,5-Trisphosphate-Dependent Ca ²⁺ Signaling by the Recombinant Human PTH/PTHrP Receptor Stably Expressed in a Human Kidney Cell Line," <i>Bone</i> 18:381-389 (April 1996)
	AS	11	Reid, I.R., et al., "Parathyroid hormone acutely elevates intracellular calcium in osteoblastlike cells," <i>Am. J. Physiol.</i> 253:E45-E51 (July 1987)
	AT	11	Rixon, R.H., et al., "Parathyroid Hormone Fragments May Stimulate Bone Growth in Ovariectomized Rats by Activating Adenylyl Cyclase," <i>J. Bone Min. Res.</i> 9:1179-1189 (August 1994)

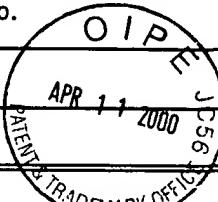
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	AS	12	Schneider, H., et al., "Cloning and functional expression of a human parathyroid hormone receptor," <i>Eur. J. Pharmacol.</i> 246:149-155 (July 1993)
	AT	12	Schneider, H., et al., "A C-terminally truncated human parathyroid hormone receptor is functional and activates multiple G proteins," <i>FEBS Letts.</i> 351:281-285 (September 1994)

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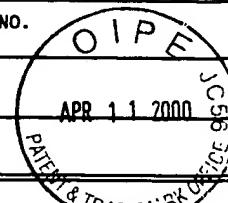
SLW	AR	<u>13</u>	Segre, G.V., et al., "Characterization of Parathyroid Hormone Receptors in Canine Renal Cortical Plasma Membranes Using a Radioiodinated Sulfur-free Hormone Analogue," <i>J. Biol. Chem.</i> 254:6980-6986 (August 1979)
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	AT	<u>13</u>	Shukunami, C., et al., "Chondrogenic Differentiation of Clonal Mouse Embryonic Cell Line ATDC5 In Vitro: Differentiation-dependent Gene Expression of Parathyroid Hormone (PTH)/PTH-related Peptide Receptor," <i>J. Cell Biol.</i> 133:457-468 (April 1996)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

DATE CONSIDERED

8/7/01

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0609-4630001/SRL/TBB		APPLICATION NO. 09/447,800	
		APPLICANT Bringhurst et al.			
		FILING DATE November 23, 1999		GROUP 1646 1647	



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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
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<i>SLW</i>	AR	14	Siegfried, G., et al., "Parathyroid Hormone Stimulates Ecto-5'-Nucleotidase Activity in Renal Epithelial Cells: Role of Protein Kinase-C," <i>Endocrinol.</i> 136:1267-1275 (March 1995)
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	AT	14	Takasu, H., and Bringhurst, F.R., "Type-1 Parathyroid Hormone (PTH)/PTH-Related Peptide (PTHRP) Receptors Activate Phospholipase C in Response to Carboxyl-Truncated Analogs of PTH(1-34)," <i>Endocrinol.</i> 139:4293-4299 (October 1998)

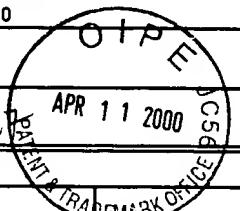
EXAMINER	<i>Sandra Wiegard</i>	DATE CONSIDERED	8/7/01
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
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	AM						Yes No
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Sandra Negri

DATE CONSIDERED 8/7/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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AO						Yes No
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SLW	AR	16	Tamura, T., et al., "Parathyroid Hormone 1-34, But Not 3-34 or 7-34, Transiently Translocates Protein Kinase C in Cultured Renal (OK) Cells," <i>Biochem. Biophys. Res. Comm.</i> 159:1352-1358 (March 1989)
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EXAMINER: Sandra Wegner DATE CONSIDERED 8/7/01

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
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	AL						Yes No
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SLW	AR	17	Usdin, T.B., et al., "Identification and Functional Expression of a Receptor Selectively Recognizing Parathyroid Hormone, the PTH2 Receptor," <i>J. Biol. Chem.</i> 270:15455-15458 (June 1995)
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	AT	17	Yamamoto, S., et al., "Parathyroid Hormone-Related Peptide-(1-34) [PTHrP-(1-34)] Induces Vasopressin Release from the Rat Supraoptic Nucleus <i>in Vitro</i> through a Novel Receptor Distinct from a Type I or Type II PTH/PTHrP Receptor," <i>Endocrinol.</i> 138:2066-2072 (May 1997)

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Sandra Weger

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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APPLICANT Bringhurst et al.

FILING DATE November 23, 1999

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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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AO						Yes No
AP						Yes No

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EXAMINER	<i>Darla Wright</i>	DATE CONSIDERED	8/8/01
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